International application No.

PCT/AU2005/000067

A.	CLASSIFICATION OF SUBJECT MATTER				
Int. Cl. <sup>7</sup> :	A61F 2/24				
According to	International Patent Classification (IPC) or to both national classification and IPC				
В.	FIELDS SEARCHED				
Minimum doci	imentation searched (classification system followed by classification symbols)				
Documentation	searched other than minimum documentation to the extent that such documents are included in the fields sea	rched			
5	base consulted during the international search (name of data base and, where practicable, search terms used) eywords: heart and valve and leaf and rotate and similar terms.	,			
C.	DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
	US 5197980 A (GORSHKOV et al.) 30 March 1993				
X	Column 5 lines 35 to 40	1-5,10,11, 13-24,27,28			
	WO 2001/034068 A1 (IMPSA INTERNATIONAL INC.) 17 May 2001				
X	Page 6 line 15 to page 7 line 6	1-5,13-20, 22-24,27,28			
	US 5861029 A (EVDOKIMOV et al.) 19 January 1999				
X	Column 7 line 59 to column 8 line 2	1-5,10,11, 13-24,27,28			
X	US 5002567 A (BONA et al.) 26 March 1991 Column 4 line 35 to column 5 line 19				
X F	urther documents are listed in the continuation of Box C X See patent family and	nex			
"A" documer not cons "E" earlier ap	categories of cited documents:  In defining the general state of the art which is  Independent to be of particular relevance  Independent to be of particular relevance; the claimed invention cannot be considered to involve an inventive step when the considered to invention and invention cannot be considered to involve an inventive step when the considered to involve an inventive step when the considered to involve an invention cannot be considered to invention cannot be considered to involve an invention cannot be considered to involve an invention cannot be considered to inventi	iple or theory ot be considered novel			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "A document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family					
"P" documer but later	nt published prior to the international filing date than the priority date claimed				
	Date of mailing of the international search report	2 6 APR 2005			
Name and maili	ing address of the ISA/AU  Authorized officer	·			
PO BOX 200, V	PATENT OFFICE WODEN ACT 2606, AUSTRALIA pct@ipaustralia.gov.au  (02) 6285 3929  Tolorboro No. (02) 6283 2426				
	(02) 6285 3929 Telephone No : (02) 6283 2426				

International application No. PCT/AU2005/000067

PCT/AU2005/000067					
C (Continuation	on). DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	5	Relevant to claim No.		
	US 4274437 A (WATTS) 23 June 1981				
X	Column 4 lines 25 to 34		1-5,10,11, 13-20,22-24 27,28		
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International application No.

PCT/AU2005/000067

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
-
2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:  1. Claims 1 to 24, 27 (in part), 28 (in part) directed to a heart valve comprising an annular body portion and a support ring, wherein the annular body portion is rotatable relative to the support ring.
2. Claims 25, 26, 27 (in part), 28 (in part) directed to a heart valve comprising an annular body portion and a support ring, wherein the body portion is mounted to the support ring so as to be moveable from a sealed position to a position defining a second fluid pathway between the body portion and the support ring.
As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1 – 24, 27 (in part), 28 (in part).
Remark on Protest  The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

Information on patent family members

International application No.

PCT/AU2005/000067

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report					Patent Family Member		
US	5197980	NONE					
wo	0134068	AU	10688/00	US	6723123	,	
US	5861029	EP	0790043				
US	5002567	EP	0327790				
US.	4274437	NONE					

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX

International application No.
PCT/AU2005/000067

		i CI/AC200				
A.	CLASSIFICATION OF SUBJECT MATTER					
Int. Cl. 7:	A61F 2/24					
According to	International Patent Classification (IPC) or to both	national classification and IPC				
В.	FIELDS SEARCHED					
Minimum docu	mentation searched (classification system followed by cl	assification symbols)				
Documentation	searched other than minimum documentation to the exte	ent that such documents are included in the fields sear	ched			
	base consulted during the international search (name of e eywords: heart and valve and leaf and rotate ar					
C.	DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where app	ropriate, of the relevant passages	Relevant to claim No.			
77	US 5197980 A (GORSHKOV et al.) 30 Mar	ch 1993	<del></del>			
X	Column 5 lines 35 to 40		1-5,10,11, 13-24,27,28			
_	WO 2001/034068 A1 (IMPSA INTERNATI	ONAL INC.) 17 May 2001				
X	Page 6 line 15 to page 7 line 6  1-5, 22-24					
[X]	US 5861029 A (EVDOKIMOV et al.) 19 Jan Column 7 line 59 to column 8 line 2	1-5,10,11, 13-24,27,28				
X	US 5002567 A (BONA et al.) 26 March 1991 Column 4 line 35 to column 5 line 19  1-5,10 13-20,2					
X. F	urther documents are listed in the continuation	of Box C X See patent family ann	ex			
"A" document not consi	idered to be of particular relevance co un oplication or patent but published on or after the "X" do	er document published after the international filing date of public with the application but cited to understand the princip derlying the invention cument of particular relevance; the claimed invention cannot	ole or theory t be considered novel			
international filing date  "L" document which may throw doubts on priority claim(s)  or which is cited to establish the publication date of another citation or other special reason (as specified)  or cannot be considered to involve an inventive step when the document is taken alone  document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art						
or other i	it referring to an oral disclosure, use, exhibition	cument member of the same patent family				
Date of the actu 14 April 200	al completion of the international search	Date of mailing of the international search report	2 6 APR 2005			
AUSTRALIAN PO BOX 200, V	ng address of the ISA/AU PATENT OFFICE VODEN ACT 2606, AUSTRALIA pct@ipaustralia.gov.au (02) 6285 3929	Authorized officer  DAVID MELHUISH  Telephone No: (02) 6283 2426				

International application No. PCT/AU2005/000067

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
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International application No.

PCT/AU2005/000067

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This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.:  because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
<ul> <li>This International Searching Authority found multiple inventions in this international application, as follows:</li> <li>Claims 1 to 24, 27 (in part), 28 (in part) directed to a heart valve comprising an annular body portion and a support ring, wherein the annular body portion is rotatable relative to the support ring.</li> </ul>
2. Claims 25, 26, 27 (in part), 28 (in part) directed to a heart valve comprising an annular body portion and a support ring, wherein the body portion is mounted to the support ring so as to be moveable from a sealed position to a position defining a second fluid pathway between the body portion and the support ring.
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1 – 24, 27 (in part), 28 (in part).
Remark on Protest  The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

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International application No.

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Patent Document Cited in Search Report					nt Family Member	Family Member	
US	5197980	NONE				•	
WO	0134068	AU	10688/00	US	6723123		
US	5861029	EP	0790043				
US	5002567	EP	0327790				
US	4274437	NONE					

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX